

K063342

## 510(k) Summary

NOV 30 2006

OFFICIAL CONTACT: Lisa A. Ewing  
Senior Regulatory Affairs Specialist  
MEDRAD, INC.  
One Medrad Drive  
Indianola, PA 15051  
(412) 767-2400 Ext. 3780

CLASSIFICATION NAME: Magnetic Resonance Diagnostic Device  
(21 CFR 892.1000, Product Code MOS)

COMMON NAME(S): Magnetic Resonance Diagnostic Accessory

PROPRIETARY NAME: MEDRAD eCoil Imaging System for Philips

PREDICATE DEVICES: MEDRAD, INC. 3.0T Prostate Imaging System  
(K051349)

INTENDED USE: The eCoil Imaging System for Philips MRI scanners is a receive-only coil intended for use as a Magnetic Resonance Diagnostic Device (MRDD) for high-resolution magnetic resonance imaging, including spectroscopy, of the human colon, cervix or prostate and surrounding pelvic tissue. The purpose of the interface device for the eCoil Imaging System is to provide interface and support functions to allow the use of MEDRAD disposable endorectal coils with Philips MRI scanner systems. Only trained healthcare professionals are intended to operate this device.

### DEVICE DESCRIPTION AND COMPARISON TO UNMODIFIED PREDICATE:

The MEDRAD eCoil Imaging System maintains a similar intended use, similar operational parameters, similar labeling and is used in a manner similar to the predicate device.

The following comparison table identifies the similarities and differences between the proposed device and the predicate device.

**TABLE 1** Comparison of Features and Principles of Operation in MEDRAD 3.0T Prostate Imaging System Interface Device for Siemens (Predicate) and MEDRAD eCoil Imaging System Interface Device for Philips (Proposed)

Feature	(Predicate) MEDRAD 3.0T Prostate Imaging System Interface Device	(Proposed) MEDRAD eCoil Imaging System Interface Device
Coil Type	Receive-only surface coil	Receive-only surface coil
Scanner Interface	3.0T Siemens Trio scanners	1.5T and 3.0T Philips scanners
Coil Interfaces	MEDRAD 3.0T Endorectal Coils	MEDRAD 1.5T and 3.0T Endorectal Coils
Decoupling	Active and passive	Active and passive
RF Signal Pre-Amplification	Performed by the interface device	Performed by the interface device
Tuning	Fixed tuning set in production.	Fixed tuning set in production.



DEPARTMENT OF HEALTH & HUMAN SERVICES

Food and Drug Administration  
9200 Corporate Blvd.  
Rockville MD 20850

Ms. Lisa A. Ewing  
Senior Regulatory Affairs Specialist  
Medrad, Inc.  
One Medrad Drive  
INDIANOLA PA 15051-0780

NOV 30 2006

Re: K063342  
Trade/Device Name: MEDRAD eCoil Imaging for Philips  
Regulation Number: 21 CFR 892.1000  
Regulation Name: Magnetic resonance diagnostic device  
Regulatory Class: II  
Product Code: MOS  
Dated: November 3, 2006  
Received: November 6, 2006

Dear Ms. Ewing:

We have reviewed your Section 510(k) premarket notification of intent to market the device referenced above and have determined the device is substantially equivalent (for the indications for use stated in the enclosure) to legally marketed predicate devices marketed in interstate commerce prior to May 28, 1976, the enactment date of the Medical Device Amendments, or to devices that have been reclassified in accordance with the provisions of the Federal Food, Drug, and Cosmetic Act (Act) that do not require approval of a premarket approval application (PMA). You may, therefore, market the device, subject to the general controls provisions of the Act. The general controls provisions of the Act include requirements for annual registration, listing of devices, good manufacturing practice, labeling, and prohibitions against misbranding and adulteration.

If your device is classified (see above) into either class II (Special Controls) or class III (Premarket Approval), it may be subject to such additional controls. Existing major regulations affecting your device can be found in the Code of Federal Regulations, Title 21, Parts 800 to 898. In addition, FDA may publish further announcements concerning your device in the Federal Register.



*Protecting and Promoting Public Health*

Please be advised that FDA's issuance of a substantial equivalence determination does not mean that FDA has made a determination that your device complies with other requirements of the Act or any Federal statutes and regulations administered by other Federal agencies. You must comply with all the Act's requirements, including, but not limited to: registration and listing (21 CFR Part 807); labeling (21 CFR Part 801); good manufacturing practice requirements as set forth in the quality systems (QS) regulation (21 CFR Part 820); and if applicable, the electronic product radiation control provisions (Sections 531-542 of the Act); 21 CFR 1000-1050.

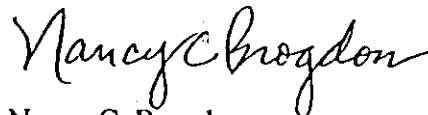
This letter will allow you to begin marketing your device as described in your Section 510(k) premarket notification. The FDA finding of substantial equivalence of your device to a legally marketed predicate device results in a classification for your device and thus, permits your device to proceed to the market.

If you desire specific advice for your device on our labeling regulation (21 CFR Part 801), please contact the Office of Compliance at one of the following numbers, based on the regulation number at the top of this letter:

21 CFR 876.xxx	(Gastroenterology/Renal/Urology)	240-276-0115
21 CFR 884.xxx	(Obstetrics/Gynecology)	240-276-0115
21 CFR 894.xxx	(Radiology)	240-276-0120
Other		240-276-0100

Also, please note the regulation entitled, "Misbranding by reference to premarket notification" (21CFR Part 807.97). You may obtain other general information on your responsibilities under the Act from the Division of Small Manufacturers, International and Consumer Assistance at its toll-free number (800) 638-2041 or (240) 276-3150 or at its Internet address <http://www.fda.gov/cdrh/industry/support/index.html>.

Sincerely yours,



Nancy C. Brogdon  
Director, Division of Reproductive,  
Abdominal, and Radiological Devices  
Office of Device Evaluation  
Center for Devices and Radiological Health

Enclosure

## Indications for Use

510(k) Number: K063342

Device Name: MEDRAD eCoil Imaging System for Philips

### Indications for Use:

The eCoil Imaging System for Philips MRI scanners is a receive-only coil intended for use as a Magnetic Resonance Diagnostic Device (MRDD) for high-resolution magnetic resonance imaging, including spectroscopy, of the human colon, cervix or prostate and surrounding pelvic tissue. The purpose of the interface device for the eCoil Imaging System is to provide interface and support functions to allow the use of MEDRAD disposable endorectal coils with Philips MRI scanner systems. Only trained healthcare professionals are intended to operate this device.

Prescription Use X ~~AND/OR~~ Over-The-Counter Use \_\_\_\_\_  
(Part 21 CFR 801 Subpart D) (21 CFR 801 Subpart C)

(PLEASE DO NOT WRITE BELOW THIS LINE-CONTINUE ON ANOTHER PAGE OF NEEDED)

Concurrence of CDRH, Office of Device Evaluation (ODE)

Nancy C Brozdon  
(Division Sign-Off)  
Division of Reproductive, Abdominal,  
and Radiological Devices  
510(k) Number K063342

Page 1 of 1